US ERA ARCHIVE DOCUMENT

Protocol:

EMD-003

Submitted by: Kim Lerner, Chairman, Independent Investigational Review Board

Date:

September 11, 2006

The following is intended to substantiate that review of the research study noted above was reviewed in compliance with EPA requirements. If any other documentation is necessary or revisions to the practice or documentation of records by the Independent Investigational Review Board is required, please advise.

		Requirement	Y/N	Comments
26.1115(a)	(1) Co	pies of		Marie 1956 (1954) AAAAAA (1956)
1 7	•	all research proposals reviewed,	Copies	Protocol 4/13/06
7.0			by SC	
\$ 26				
	•	scientific evaluations, if any, that accompany	4637 4633	MSDS sheets – WV29-01, EUS26-
Q		the proposals,		15,EUS26-16,
jije E		approved sample consent documents,	See	Changes week to take
ge		approved earnpie consent documents,	attached	Changes made to icf by Committee – Initial Approval ATTACHMENT 1A
S			GREATION	Revised Protocol: ATTACHMENT 1B
arc arc				A TOUR MILITARIE IN
Şe	•	progress reports submitted by investigators,	NA	Approval letter informs PI that study was
<u>5</u>		and reports of injuries to subjects.		approved for 1 yr – minutes document basis
ige ige	(2) Min	utes of IRB meetings in sufficient detail to	-	for determination – not yet due
ã	show	ates of Intermeetings In sufficient detail to	See	Minutes 4/18/06-ATTACHMENT 2A
20			attached	Minutes 7/25/06 -ATTACHMENT 2B
all information relevant to the proposed research specified by	•	attendance at the meetings;		an an
오		•		
lut l	•	actions taken by the IRB;		u33 u35
e∧e		the rete on the control of	ľ	
ē	•	the vote on these actions including the number		. 1139 1139
l e		of members voting for, against, and abstaining;		
äti	•	the basis for requiring changes in or	See	Initial Approval: Committee
틴		disapproving research;	attached	Initial Approval: Committee works sheets: EPA Protocol Checklist – ATTACHMENT 3
in		•		A and Research Search Evaluation Form
8				and ICF checklist ATTACHMENT 3 B
	•	a written summary of the discussion of	n/a	No issues "controverted", satisfactory
		controverted issues and their resolution.		findings documented in minutes and
	(3) Reco	rds of continuing review activities.	n/a	committee worksheets
	(4) Copic	es of all correspondence between the IRB and	Copies	n/a for protocols
	the inves	stigators.	by SC	research submissions by site and approval documentation from IRB
-			,	adding fragion from IVB
	(5)			
	• /	A list of IRB members identified by name;	See	Membership roster is reviewed/updated
ļ	÷	earned degrees; representative capacity;	attached	annually includes required elements and is
1	,	ndications of experience such as board ertifications, licenses, etc., sufficient to		posted on the IIRB web site.
ļ	0	lescribe each member's chief anticipated		ATTACHMENT 4
į	C	contributions to IRB deliberations;		
į			See	ATTACHMENT 4
ĺ	• a	ny employment or other relationship between	attached	VI VYALIMIEM I 4
	е	ach member and the institution, for example		
i	Ťl	Ill-time employee, a member of governing		
	p	anel or board, stockholder, paid or unpaid		
		onsultant.		
	described	n procedures for the IRB in the same detail as in §26.1108(a) and §26.1108(b).		Sent by email to John Carely at EPA
	- Secribed	11. 320. 1100(a) and 320. 1108(b).		-

	(7) Sta	tements of significant new findings provided to		
	subjec	ts, as required by §26.1116(b)(5).	n/a	n/a for protocols
and the following additional information, to the extent not already included	§1125(a) a discussion of:	 The potential risks to human subjects The measures proposed to minimize risks to the human subjects; The nature and magnitude of all expected benefits of such research, and to whom they would accrue Alternative means of obtaining information comparable to what would be collected through the proposed research; and The balance of risks and benefits of the proposed research. 		The information addressing these issues is supported in the documentation provided by the Sponsor and Investigator and documentation of the IRB analysis and findings is documented in the Protocol Checklist, the Research Search Evaluation Form, changes to the ICF required by the IRB and Board minutes (ATTACHMENTS 1, 2, 3A, and 3B)
information, to th	informe	b): All information for subjects and written ed consent agreements as originally provided to s, and as approved by the IRB.	Copies by SC See attached	ATTACHMENT 1 reflects Committee changes
dditional	§1125(d recruite used.	c): Information about how subjects will be d, including any advertisements proposed to be	See attached	ATTACHMENT 5
following a	method potentia their info	d): A description of the circumstances and s proposed for presenting information to all human subjects for the purpose of obtaining primed consent.	See attached	ATTACHMENT 5
d the	Investiga	e): All correspondence between the IRB and the ators or sponsors.		Overlaps §1115(a)(4) above
an	investiga): Official notification to the sponsor or ator that research involving human subjects n reviewed and approved by an IRB.	Copies by SC	Note: The letter includes all of the documents that were approved/reviewed are listed and that the notification letter to the investigator includes approval period, requirement for changes to the protocol and advertisements to be reported to the IRB and that new risk information (SAE/AE), deviations or problems be reported to the IIRB.

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Attachment / A

Principal Investigator:

Site of Investigation:

Sponsor:

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INFORMED CONSENT AUTHORIZATION TO PARTICIPATE AS A RESEARCH STUDY SUBJECT Title of Study:

Scott P. Carroll, Ph.D.

711 Oak Ave Davis, CA 95161

(EMD-003) Test of Personal Insect Repellents

Carroll-Loye Biological Research

Sponsor:	EMD Chemicals, Inc.			
Participant's Na	•			
before making your anything in this for	asked to participate in a research study. Your participation is formation in this Informed Consent Form explains the study. You py of this form, and you may take it home and think about it our decision. If you have any questions, or do not understand orm, please ask the Principal Investigator to explain any words a do not clearly understand.			
information gather commercial marker for woods of Fig. The sponsor EM Research to conduction Research is the Principles.	rick repellents. The study is to test the repellent characteristics of the test boratory setting using the western black-legged tick. The red will be used to develop personal repellents for future ting. To contracted Carroll-Loye Biological incipal Investigator in charge of the study.			
SUBJECT SELECTION You have been offered an opportunity to participate in this research study because you are a male or female and 18 years of age or older. If you are a female of child bearing potential you cannot be pregnant or breastfeeding.				
Approximately 2 0 voresearch study.	plunteers will be enrolled in this single site, laboratory based			
Version/draft : 4/13/06 Protocol: EMD-003	APPROVED BY Initials: Independent IRB Date: Signature Date			

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Study	Durat	ion
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This study will require one office visit not including the screening visit. screening visit is required within 14 days of the study visit. OLLY Wesds OCF !

Study Procedures Study Design

Horonolations of the kest The study will test three different test materials. You will be randomly (by chance) assigned to receive one of three treatment materials or receive no material. You will not have a choice as to which group you are assigned. You may also have one test material on one of your forearms and a different test material on the other. It is also possible that you may have one test material on one of your forearms and no material on the other. For each material treatment you will have a pre-measured amount of test material applied to either your forearms. Neither you nor the principal investigator will know which of the study materials you are receiving; however, this information can be made available if medically

Screening Visit

Within 14 days of the study visit you will go to the laboratory and you will provide some basic information during a pre study visit with a researcher. If you agree to participate in the research study you will have your limb surface measured in order to calculate the dosage of test material you will need.

If you are a female, you will perform a pregnancy test using an Over the Counter (OTC) pregnancy kit in the morning prior to the start of the study. The results of your test will be verified a female technician that is qualified to make that determination. If you are pregnant, you will not be allowed to participate in the

Procedures

Free The study material will be applied by a Carroll-Loye technician/The skin surfaces to be treated are first cleansed with amild low fragrance soap, rinsed with sopropanol (35%), and then towel dried. The test products are applied to your forearms with two fingertips as evenly as possible using a light rubbing motion.

The ticks are then applied to the treated or untreated areas and you will record any crossings or repulsions. A crossing is scored if a tick travels at least 2 cm in a direction toward the elbow from a line at the wrist that marks the beginning of the treated area within 3 minutes of entering the treated area. A repulsion is scored when a tick changes its direction away from or parallel to the margin of the treated area upon approach, or does not cross more than 2 cm toward the elbow within 3 minutes of entering the treated area. Ticks are observed one at a time, and new ticks are selected from a pool of unused, pre-screened, qualified ticks. The ticks are manipulated by bristles of a fine artist's paint brush.

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· You must not have a phobia to ticks Page 6 of 14 in Protocol not considert

• Must not be sensitive to any of the test product ingredients

- Must not have used repellents within one week prior to the start of the study
- Must refrain from smoking or alcoholic beverages during the tests

RISK/DISCOMFORTS

A Material Safety Data Sheet (MSDS) will be provided for review prior to participation in the study. According to the MSDS, the proposed formulation is The material may cause skin, respiratory and eye irritation. If excessive inhalation it can cause respiratory irritation, headache and dizziness. If ingested it may cause temporary gastric distress.

If at anytime you feel ill, inform the Principal Investigator (or any of the study monitoring personnel), and you will be taken to receive medical attention. You may remove yourself for any reason from the study at anytime.

Measures will be implemented to make sure that ticks are removed before they have an opportunity to bury in the skin. However you may be wiften by a tick

PREGNANCY RISKS

maybehazardous, The risks to the unborn are unknown and if you are a woman of childbearing potential, it is important that you do participate in this study if you are, or if you think you may be pregnant.

UNKNOWN / UNFORESEEABLE RISKS

In addition to the risks and discomforts listed above, there may be some unknown or infrequent and unforeseeable risks associated with the use of this formulation, including allergic reaction or interaction with a medication. The research test subject will be informed in a timely manner both verbally and in writing of any new information, findings or changes to the way the research will be performed that might influence his willingness to continue participation in this

RESEARCH RELATED INJURIES

If the research test subject is injured as a result of being in this study, treatment will be available from a health professional who is either on call or on site. Carroll-Loye Biological Research will cover the costs of such treatment. This does not cover any injuries resulting from normal work activities. For further information about this, the research test subject should call the office of Carroll-Loye Biological Research (530) 297-6080. Financial compensation for non-study related injuries for such things as lost wages, disability or discomfort due to injury is not available from Carroll-Loye Biological Research.

You <u>DO NOT</u> waive your legal rights by signing this form.

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Protocol: EMD-003	APPROVED BY Independent IRB	Initials: Date:		
	Signature Date			

RIGHT TO WITHDRAW OR REMOVAL FROM STUDY

I understand that I am free to withdraw from this study at any time, and I agree to inform the Principal Investigator immediately if I intend to withdraw. It is understood that my decision to participate in this study or to withdraw from this study will not influence the availability of my future medical care and will involve no penalty or loss of benefits to which I am otherwise entitled. I may withdraw from this study at any time.

I agree that the Principal Investigator in charge of the study can remove me from this study without my consent for any reason, including, but not limited to:

- a. His/her judgment that any condition or circumstance may jeopardize my welfare or the integrity of the study.
- b. My failure to follow the instructions of the investigator(s).
- c. If the study is stopped by the sponsor and/or Principal Investigator participating in the study prior to completion.

TREATMENT ALTERNATIVE

Since this study is not intended to provide any therapeutic or other health-related benefit, your alternative is to not participate in this study.

BENEFITS

There are no immediate benefits to you from your participation other than compensation for your participation.

OFFER TO ANSWER ANY QUESTIONS ABOUT THIS STUDY

If you have any questions or problems during this study, or if you think that you may have experienced a research-related injury, you should contact Scott Carroll of Carroll-Loye Biological Research at (530) 297-6080.

If you have any questions regarding your rights as a research volunteer, please contact Kim Lerner, Chairman of the Independent Investigational Review Board, Inc. at toll free (877) 888-IIRB (4472) during regular working hours. The Independent Investigational Review Board is a committee established for the purpose of protecting the rights of volunteers in a research study.

COSTS AND REIMBURSEMENT

There will be no costs to the research study participant from participating in this study

For participation in the study, each research study participant will receive a cash of the study or whenever the test subject withdraws from the study.

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Protocol: EMD-003	Independent IRB	Date:		
	Signature Date			

CONFIDENTIALITY

Representatives from the Sponsor, Avon Products, Inc., the U.S. Environmental Protection Agency (EPA), the Food and Drug Administration (FDA) and the Independent Investigational Review Board, Inc. Review Board (an independent committee that reviewed the ethical aspects of this study to help protect the rights and welfare of study participants) may have access to all non-personal information collected in this study. Because of the need to release information to these parties absolute confidentiality cannot be guaranteed. Any information or reports published as a result of this study would not identify you by name, or any other personal identification.

CONSENT AND SIGNATURES

I have read, in a language that I understand well, and understand the information, which has been stated above. I have received satisfactory answers to all of the questions, which I have asked. I hereby voluntarily consent to take part in this study and to be a research study participant in this study. I authorize the use and disclosure of my medical information, and do **not** waive my legal rights by signing this Informed Consent Form. I shall receive a copy of the signed Informed Consent Authorization.

Date/Time	Print Subject Name	Sign Subject Name
Date/Time	Scott Carroll Print Carroll-Loye Biological Resarch Representative	Sign Carroll-Loye Biological Research Representative
Independent Inv Approval:	vestigational Review Board, Inc. / /06	

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Signature	

Initials: Date:	

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INFORMED CONSENT AUTHORIZATION TO ECT

TARTICIPA	ATE AS A RESEARCH STUDY SUBJECT
Title of Study: (EMI	D-003) Test of Personal Insect Repellents
Principal Investigator:	Scott P. Carroll, Ph.D.
Site of Investigation:	Carroll-Loye Biological Research 711 Oak Ave Davis, CA 95161
Sponsor:	EMD Chemicals, Inc.
Participant's Name:	
You are being asked to	

You are being asked to participate in a research study. Your participation is voluntary. The information in this Informed Consent Form explains the study. You will receive a copy of this form, and you may take it home and think about it before making your decision. If you have any questions, or do not understand anything in this form, please ask the Principal Investigator to explain any words or information you do not clearly understand.

Nature and Purpose

Carroll-Loye Biological Research is conducting this research study in order to develop effective tick repellents. Many people are interested in having new and better tick repellents available to them. The tick repellents that we will study were developed from amino acids that are naturally occurring substances in animals. More studies are needed to determine how well such new tick repellents work.

The purpose of the study is to test how well new lotion, pump spray and aerosol insect repellent products work in the laboratory against ticks. These three products are similar to some already being sold. The information gained from the study will be used to develop improved repellents for future commercial marketing. During the study we will first measure how much repellent you put on your arms in an initial visit to the study laboratory. On a later date, you will return to the laboratory to test repellents against ticks.

The sponsor EMD Chemicals, Inc has contracted Carroll-Loye Biological Research to conduct the study. Scott Carroll, Ph.D. of Carroll-Loye Biological Research is the Principal Investigator in charge of the study.

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Deep Woods Off!™ is an approved repellent that contains 20% DEET and will be used as the positive control.

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SUBJECT SELECTION

You have been offered an opportunity to participate in this research study because you read and speak English, consider yourself to be in good physical because you read and speak English, consider yourself to be condition and are 18-55 years of age. If you are a female of child bearing the beautiful Deleted: are a male of female

Approximately 30 volunteers will be enrolled in this single site, laboratory based research study.

STUDY INTRODUCTION AND DURATION

Schedule of visits and time required to participate in the

	nico to participate in the st	uay
Activity	Visit 1 (1-21 days	Visit 2
	before the test)	Tore 2
1. Orientation and Dosage visit	X	
2. Repellent Test visit		
Total time	2-2.5 hours	8-14 hours
	<u> </u>	0-14 Hours

Visit 1 for Orientation and determining Dosage Repellent test visit Within 21 days before the second visit in will test the repellents against ticks, you will go to the laboratory and meet with a researcher to perform introductory activities for the study. The researcher will also tell you more about what you will experience while participating and what is expected of you. You will work with a researcher to determine how much insect repellent you apply. Completing those measurements will take 1.5-2.0 hours.

You will also be shown how handle ticks on your skin with a small artist's paintbrush. This training and practice will take about ½ hour.

The total time for Visit 1 activities will be about 2.0-2.5 hours.

Visit 2 for the Tick Repellent Test

The study will also require a second visit to the same laboratory. This second visit will most likely require approximately 10 hours of your time. However, it may require as few as a hours or many as about 14 hours, depending on how long the repellents remain effective. Bathrooms are available, and meals, drinks and snacks will be provided.

STUDY PROCEDURES

Study Design

hree different insect repellent products, namely a lotion, a pump spray and an aerosol spray. You will be randomly (by chance) assigned to receive

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This study will require one office visit not including the screening visit. A screening visit is required within 14 days of the study

Study Procedures

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of the three products, so your chance of receiving any one of them is about onein-three or two-in-three. In addition, one subject will test another commercial repellent containing the well-known active ingredient 'deet'. You will have about a one-in-twenty to one-in-thirty chance of being the subject who tests the deet product instead of on of the experimental products. You will not have a choice as to which repellent product or products you receive. For each product assigned to you, you will have an amount typical of what people commonly use applied to your forearms, or lower legs. Experienced personnel will also be present to record the activity of mosquitoes by exposing their own arms or legs without repellent applied. However, you will not be asked to expose untreated skin and should 'avoid-doing so.

If you are a female, you will perform a pregnancy test using an Over the Counter (OTC) pregnancy kit in the morning prior to the start of the study. The results of your test will be verified by a female technician that is qualified to make that determination. If you are pregnant, you will not be allowed to participate in the study.

Procedures

Visit 1.

At the laboratory, a researcher will measure the length and circumference of your forearm and lower less. You will then practice using the products to decide how you best like to apply them and how much you would apply to your forearm er lower leg-in order to have thorough and even coverage. The researcher will answer any questions you have about the application. Once you have a method you are satisfied with, you will wash your arms and lower legs with soap and water and dry them with a towel. The researcher will then place three small "bracelets" made of medical gauze around your arm ec leg. You will then spray that area, including the bracelets, with a repellent, and a technician will remove the gauze and weigh it to determine how much spray has clung to its surface. Similarly, we will ask you to apply an amount of the lotion repellent product to your skin that you think gives complete and even coverage. We will use the amounts you apply in this part of the study to determine how much repellent people normally apply.

You will also spend about 30 minutes practicing handling ticks in the laboratory in preparation for the repellent study. A researcher will show you how to catch the ticks, place them on your skin, take them off, and place them in a container. You will practice these tasks several times in order to familiarize yourself with how to handle the ticks carefully and successfully. You may ask the research@or advice on how to do this at any time while you are practicing. The ticks used for this training are reared in the laboratory and free from diseases.

Visit 2

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Screening Visit

Within 14 days of the study visit you will go to the laboratory and you will provide some basic information during a pre study visit with a researcher. If you agree to participate in the research study you will have your limb surface measured in order to calculate the dosage of test material you will need.

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Securification (104/06) 7.44 PMC Deleted: The study material will be applied by a Carroll-Loye technician. The skin surfaces to be treated are first cleansed with fragrance free soap, rinsed with water/isopropanol (35%) solution, and then towel dried. The test products are applied to your forearms with two fingertips as evenly as possible using a light rubbing motion.

The ticks are then applied to the treated or untreated areas and you will record any crossings or repulsions. A crossing is scored if a tick travels at least 2 cm in a direction toward the elbow from a line at the wrist that marks the beginning of the treated area within 3 minutes of entering the treated area. A repulsion is scored when a tick changes its direction away from or parallel to the margin of the treated area upon approach, or does not cross more than 2 cm toward the elbow within 3 minutes of entering the treated area [1] Free

This is the day of the actual repellent study. You will first be guided to wash your lower arms with mild, has fragrance usoap, rinsing them with a spray of ethyl alcohol (mixed with an equal part of water), and then drying them with a clean towel. A technician will then apply repellents to one or two of your forearms to give even, complete coverage of the skin. The amount of repellent applied on an arm will be no more than about ½ teaspoon. You will also be given protective material to prevent bites on other parts of your arms and legs, plus a head net.

During the test you and the Investigator will not know which repellent you are using. The study is done this way because knowing which repellent you are using can change the results of the study. If you start having any side effects from the repellent, the investigators can find out what you are taking in order to help you. Please ask the investigator if you have any questions at all about this kind of study.

You will be part of a group of about 6 treated subjects seated at a laboratory table, and a researcher will lead you in handling and keeping track of the ticks, of the time, and of your tick observations. Every 15 minutes, you will test a new tick on each arm and report the result to you lead researcher, who will record the data. That task will take between 5 and 10 minutes to complete. At times you may need to stand in order to so that the ticks may climb upward, which is their preference.

Every 15 minutes a project leader will announce the beginning of the next period for testing the treated skin. You will continue in this way until a tick crosses the repellent in two consecutive periods, as long as you are comfortable. There will time to eat comfortably and use the bathroom between test periods.

RESTRICTIONS

You must not have a phobia to ticks

You must not be sensitive to any of the test product ingredients

- You must not have used repellents within three days prior to the start of the study
- You must not use perfumed products after 9 PM the night before the study
- You must refrain from smoking or alcoholic beverages during the tests

RISK/DISCOMFORTS

If at anytime you feel ill, inform the Principal Investigator (or anyone else who is also assisting to direct the study) immediately, and you will be taken to receive medical attention at the nearest hospital. You may also request access to standard first aid materials (such as bandages, antiseptics, and mild antihistamines) and request first aid assistance at any time. You may remove

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Initials:			
Date:			

yourself for any reason from the study at anytime. At least one qualified researcher will remain with the other test subjects if other researchers depart with an injured or ill subject.

The spray repellents contain alcohol and are flammable. The repellents may cause skin, Jung and eye irritation, Excessive inhalation can cause Jung irritation, headache and dizziness. Swallowing the products may cause temporary stomach distress. You may obtain more information about the safety of the repellents by asking the Principal Investigator, and he will provide you with the official "Material Safety Data Sheets" which give safety details similar to those found on commercial product labels.

Measures will be implemented to make sure that ticks are removed before they have an opportunity to bury in the skin. However, you may be the by a tick.

PREGNANCY RISKS

The risks to the unborn are unknown and you are a woman of childbearing potential, it is important that you do not participate in this study if you are, or if you think you may be pregnant. Pregnancy will be self-checked by each female volunteer on the morning of the repellent test using an OTC test kit provided by the Study Director. Results of each such test will be immediately verified by direct inspection by a female technician trained to make that assessment.

UNKNOWN / UNFORESEEABLE RISKS

In addition to the risks and discomforts listed above, there may be some unknown or infrequent and unforeseeable risks associated with the use of this product, including allergic reaction or interaction with a medication. You will be informed in a timely manner both verbally and in writing of any new information, findings or changes to the way the research will be performed that might influence your willingness to continue participation in this study.

RESEARCH RELATED INJURIES

If you are injured as a result of being in this study, medical treatment will be available from a health care facility that is aware of the study. Carroll-Loye Biological Research will cover the costs of such medical treatment. If necessary, Carroll-Loye Biological Research will transport you to receive medical attention and pay costs associated with the reasonable and appropriate treatment for any injuries incurred as a result of participation in the study. For further information about this, the research test subject should call the office of Carroll-Loye Biological Research (530) 297-6080.

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If at anytime you feel ill, inform the Principal Investigator (or any of the study monitoring personnel), and you will be taken to receive medical attention. You may remove yourself for any reason from the study at anytime.

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Deleted: This does not cover any injuries resulting from normal work activities. For further information about this, you should call the office of Carroll-Loye Biological Research (530) 297-6080. Financial compensation for non-study related injuries for such things as lost wages, disability or discomfort due to injury is not available from Carroll-Loye Biological Research.

)K

You **DO NOT** waive your legal rights by signing this form.

TREATMENT ALTERNATIVE

Since this study is not intended to provide any therapeutic or other health-related benefit, your alternative is to not participate in this study.

BENEFITS

There are no immediate benefits to you from your participation other than compensation for your participation.

OFFER TO ANSWER ANY QUESTIONS ABOUT THIS STUDY

If you have any questions or problems during this study, or if you think that you may have experienced a research-related injury, you should contact Scott Carroll of Carroll-Loye Biological Research at (530) 297-6080.

If you have any questions regarding your rights as a research volunteer, please contact Kim Lerner, Chairman of the Independent Investigational Review Board, Inc. at toll free (877) 888-IIRB (4472) during regular working hours. The Independent Investigational Review Board is a committee established for the purpose of protecting the rights of volunteers in a research study.

COSTS AND REIMBURSEMENT

There will be no costs to *you* from participating in this study. For participation in the study, each research study participant will receive a cash payment of \$15 per hour. Payment will be made at the end of *each visit* or whenever the test subject withdraws from the study.

CONFIDENTIALITY

Carroll-Loye Biological Research will retain records of this study indefinitely. You may access your own records by contacting the Principal Investigator. Representatives from the Sponsor, EMD Chemicals, Inc., the U.S. Environmental Protection Agency (EPA) and the Independent Investigational Review Board, Inc. Review Board (an independent committee that reviewed the ethical aspects of this study to help protect the rights and welfare of study participants) may have access to all non-personal information collected in this study. Because of the need to release information to these parties absolute confidentiality cannot be guaranteed. Any information or reports published as a result of this study would not identify you by name, or any other personal identification.

Version : 7/12/06 Protocol: EMD-003

٠.		OVED BY ndent IRB	
	1.		.′/06
	Signature	Date	
	Annual Control of the Control		

Initials:			
Date:		 	_

Deleted: RIGHT TO WITHDRAW OR REMOVAL FROM STUDY

I understand that I am free to withdraw from this study at any time, and I agree to inform the Principal Investigator immediately if I intend to withdraw. It is understood that my decision to participate in this study or to withdraw from this study will not influence the availability of my future medical care and will involve no penalty or loss of benefits to which I am otherwise entitled. I may withdraw from this study at any time.

I agree that the Principal Investigator in charge of the study can remove me from this study without my consent for any reason, including, but not limited to:

- His/her judgment that any condition or circumstance may jeopardize my welfare or the integrity of the study.
- b. My failure to follow the instructions of the investigator(s).
- c. If the study is stopped by the sponsor and/or Principal Investigator participating in the study prior to completion.

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-	Deleted: the research study participant
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STATEMENTS OF UNDERSTANDING

Right to withdraw of removal from study

I understand that I am free to withdraw from this study at any time, and I agree to inform the Principal Investigator immediately if I intend to withdraw. It is understood that my decision to participate in this study or to withdraw from this study will not influence the availability of my future medical care and will involve no penalty or loss of benefits to which I am otherwise entitled. I may withdraw from this study at any time.

I agree that the Principal Investigator in charge of the study can remove me from this study without my consent for any reason, including, but not limited to:

a. His/her judgment that any condition or circumstance may jeopardize my welfare or the integrity of the study.

b. My failure to follow the instructions of the investigator(s).

c. If the study is stopped by the sponsor and/or Principal Investigator participating in the study prior to completion.

Consent and Signatures

I have read, in a language that I understand well, and understand the information, which has been stated above. I have received satisfactory answers to all of the questions, which I have asked. I hereby voluntarily consent to take part in this study and to be a research study participant in this study. I authorize the use and disclosure of my medical information, and do not waive my legal rights by signing this Informed Consent Form. I shall receive a copy of the signed Informed Consent Authorization.

	Date/Time	Print Subject Name	Sign Subject Name	
	Date/Time I	Scott Carroll Print Carroll-Loye Biological Resarch Representative	Sign Carroll-Loye Biological Research Representative	
e Ze				
	Independent Investig	ational Review Board, Inc. /06		
				SSDI Oarroll Approved: 44 PA Deleted: Approved: 4/18
1	Version : 7/12/06			
	Protocol: EMD-003	APPROVED BY Independent IRB	Initials: Date:	
1		Signature Date	//06	

Attachment ZA P.1

APRIL 18, 2006 MINUTES

PRESENT:

Kim Lerner, Chairman

Anita Mc Sharry, Vice Chairman

David Wells, MD

Edward Wiederhorn

Shari Somerstein, R.Ph.

George Garbarino

ABSENT:

Rabbi Akiva Mann

ALSO PRESENT:

Glenn Moran, DO

Marcos Reitman, DO

I. **CALL TO ORDER**

The meeting was called to order at 10:00 AM, by Chairman, Kim Lerner. The meeting was held at 6738 West Sunrise Blvd., Suite 102, Plantation, FL 33313.

IJ. APPROVAL OF THE APRIL 11, 2006 MINUTES

The minutes of the meeting held April, 11, 2006 were reviewed and unanimously approved as reviewed.

III. **REVIEW PROTOCOLS**

(EMD-004) Test of Personal Insect Repellents Α.

Principal Investigator

Scott P. Carroll, Ph.D.

- Approval Clinical Research Protocol dated: April 13, 2006
- Informed Consent Form (Ver. 4/18/06)
- MSDS for WV29-01, EU26-16, EU26-15
- California Experimental Subject's Bill of Rights
- Site Questionnaire

The Committee reviewed and approved the Investigator's qualifications, the Research Protocol, Informed Consent Form, MSDS and the California Experimental Subject's Bill of Rights for the above noted study. The Site Questionnaire addressing subject recruitment and mechanism for obtaining consent were reviewed and accepted as submitted. The Committee evaluated the risks and that the risks to the subjects were minimized, including consideration of alternate mechanism to collect the information. The benefits to the subjects, sponsor and public were addressed and a reasonable risk/benefit ratio is established. Minor informed consent revisions were directed by the Committee (see consent changes for details) to clarify research elements. The consent as revised contains all necessary consent elements. determined that the research protocol includes IIRB and EPA required elements.

ACTION: Motion was made and seconded to approve the Investigators, Clinical Research Protocol, Informed Consent Form,

Attachment 2A p2

MSDS and the California Experimental Subject's Bill of Rights for the above noted study. Unanimously approved. Based on the duration of the study and the risks to the subjects, the approval is granted for a one year period, with a progress report required prior to continued approval. See Approval letter for Investigator's responsibilities.

- B. (EMD-003) Test of Personal Insect Repellents
 Principal Investigator Scott P. Carroll, Ph.D.
 - Approval Clinical Research Protocol dated: April 13, 2006
 - Informed Consent Form (Ver. 4/18/06)
 - MSDS for; WV29-01, EU26-16, EU26-15
 - California Experimental Subject's Bill of Rights
 - Site Questionnaire

The Committee reviewed and approved the Investigator's qualifications, the Research Protocol, Informed Consent Form, MSDS and the California Experimental Subject's Bill of Rights for the above noted study. The Site Questionnaire addressing subject recruitment and mechanism for obtaining consent were reviewed and accepted as submitted. The Committee evaluated the risks and that the risks to the subjects were minimized, including consideration of alternate mechanism to collect the information. The benefits to the subjects, sponsor and public were addressed and a reasonable risk/benefit ratio is established. Minor informed consent revisions were directed by the Committee (see consent changes for details) to clarify research elements. The consent as revised contains all necessary consent elements. It was determined that the research protocol includes IIRB and EPA required elements.

ACTION: Motion was made and seconded to approve the Investigators, Clinical Research Protocol, Informed Consent Form, MSDS and the California Experimental Subject's Bill of Rights for the above noted study. Unanimously approved. Based on the duration of the study and the risks to the subjects, the approval is granted for a one year period, with a progress report required prior to continued approval. See Approval letter for Investigator's responsibilities.

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JULY 25, 2006 MINUTES

PRESENT:

ABSENT:

Kim Lerner, Chairman Anita Mc Sharry, Vice Chairman David Wells, MD Edward Wiederhorn Rabbi Akiva Mann Shari Somerstein, R.Ph. George Garbarino

ALSO PRESENT: Glenn Moran, DO Marcos Rejtman, DO

I. CALL TO ORDER

The meeting was called to order at 10:00 AM, by Chairman, Kim Lerner. The meeting was held at 6738 West Sunrise Blvd., Suite 102, Plantation, FL 33313.

II. APPROVAL OF THE JULY 18, 2006 MINUTES

The minutes of the meeting held July 18, 2006 were reviewed and unanimously approved as reviewed.

Attachert 2Bp2

(from the minutes of the 7/25/06 meeting - IV. OTHER BUSINESS)

F. Revised Protocol dated 7/12/06 and Revised Informed Consent Form (Ver. 7/25/2006) EMD-003: Scott P. Carroll, PhD

The Independent Investigational Review Board, Inc. had an opportunity to review the Revised Protocol and the revised Informed Consent Form for the above noted research study. The Revised Protocol is unanimously approved as submitted. The revised Informed Consent Form is unanimously approved as revised. The Informed Consent Form has been revised to accommodate the Revised Protocol. The approved revised Informed Consent Form is identified as Version 7/25/2006 and stamped, "Approved 7/25/2006". All current subjects and future volunteers must sign the revised consent forms. It was determined that the revisions did not impact the initial determination regarding the risks to subject and risk/benefit ratio.

G. Revised Protocol dated 7/12/06 and Revised Informed Consent Form (Ver. 7/25/2006 EMD-004: Scott P. Carroll, PhD

The Independent Investigational Review Board, Inc. had an opportunity to review the Revised Protocol and the revised Informed Consent Form for the above noted research study. The revision includes the addition of preliminary dosage determination and a practice visit, the treatment of the balance of risks and benefits, and recruiting methods.

The Revised Protocol is unanimously approved as submitted. The revised Informed Consent Form is unanimously approved as revised. The Informed Consent Form has been revised to accommodate the Revised Protocol. The approved revised Informed Consent Form is identified as Version 7/25/2006 and stamped, "Approved 7/25/2006". All current subjects and future volunteers must sign the revised consent forms. It was determined that the revisions did not impact the initial determination regarding the risks to subject and risk/benefit ratio.

Attecht 3A



EPA PROTOCOL CHECKLIST

#: EMD 003

	Maria Taylar Millard (Millarder State Color of Color of State Colo
Title and Protocol number version date	YES NO NA Notes
Index/Page #'s	
Sponsor contact info	
Study population Inclusion/Exclusion criteria Number of subjects Number of Sites	equitable indicated on soldery of subjection
Nature and Purpose of study including Balance of risks and benefits of research Alternate means of obtaining comparable information	North deagn
Study Design	benefits; new
Duration of the study	I manual trace probable
All Field Procedures including Potential Risk to Human Subjects, measures to minimize ris Nature and magnitude of expected benefits and to whom the 	
Restrictions	regeron southor
Birth Control/Pregnancy testing Withdrawal/voluntary/(involuntary by Sponsor/PI/EPA)	V ok to include
Study monitoring/Audit/Compliance with 5	11/10/10/10
Confidentiality/Disclosure of data/not identified in publications • (EPA)/absolute confidentiality not guaranteed	
Supplies/shipping/storage	while to sponsor properly
Assignment of subject numbers	_ randomy an garment
Recording of data/Case report forms	V Dhouse
Deviations from protocol	
Adverse Events	& Bakseknes pun
Study records/Source documents	V5 pmer vem
Termination of study	V NA -OK
Consenting of subjects i.e. description of circumstances and method potential Subjects VCD gradual of bridge of should	s proposed for presenting information to
C:/FORM/PROTOCOL CHECKLIST/EPA	
- TO TO THE TOTAL THE TOTAL TO THE TOTAL TOT	· · · · · · · · · · · · · · · · · · ·

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Research Evaluation Form

SECTION 1: INFORMED CONSENT CHECKLIST			
PROTOCOL# No Da	ite 13Apr. 128	206	
INTRODUCTION Title	YES NO	<u>NA</u>	Notes
Name of Investigators/Address/Tel. #			
Invitation to participate in a research study and why			
Evaluate study population vulnerability			
Pediatric/Assent			Adultsonly
NATURE/PURPOSE		*.	
Clear explanation of the purpose (layman's term)		•	revisel
	:		
STUDY DESIGN			
# of subjects/sites Duration of the study		-	Uerretal
Double Blind/Information available			
All procedures, placebo, randomization, dose escalation			
Blood Sampling			revisid
Restrictions	/		
DIOY AND DIGGO TO THE			
RISK AND DISCOMFORTS			
Foreseeable risks and discomforts			
Placebo/ out of control/worsening of disease/Precautions Risks to Newborn	-V —		
Potential for interaction/addiction/allergy			
Unknown /Unforeseeable risks/Reporting New Risks			
		, - '	
BENEFIT			
Description of benefits		<u> </u>	
ALTERNATIVE PROCEDURES			
Disclosure of alternative treatments, procedures			
VOLUNTARY PARTICIPATION/WITHDRAWAL		· .	
May withdraw consent even after signing form (voluntary)		, <u></u>	
will not go against future care/no penalty or loss of benefits Involuntary withdraw			
	 /	· · · · ·	
PAYMENT Include payment & breakdown			
COMPENSATION/COST FOR PARTICIPATION			
Compensation for injury		1.1	
Do not waive legal rights	-		
Any additional cost for participation			
CONTENTATE AT YEAR			
CONFIDENTIALITY URB Sporest FDA cooses should get		1 1	
HRB, Sponsor, FDA access, absolute confid not guaranteed Use of initials for publication	 .		
Does not expire/revoke in writing/access to information	 .		
2 of all of the forest of the first of the f			
QUESTIONS/CLOSING	1		
Who to contact in case of emergency/questions/24 hr		- · · · · ·	
IIRB for rights as a study participant	_7 ==		
Required signatures/competency to consent			
Investigators Brochure Date: SAE Repor	fs•	ים	adraga Ingorti
Genetic ICF Yes \(\Bar{\text{Ves}} \) No \(\Bar{\text{Photographic ICF}} \)		,	ackage Insert:
	1 c2.□ 1/0	™ (Other ICF/Addendum Yes 🗆 No
Screening Findings			

Attecht 3 Bpoz

SECTION 2: RISK CHECKLIST Risks to the unborn:	
☐ Males only no known fetal risks	
☐ Males only known fetal risks (address in icf)	
 □ Post Menopausal Women - Protocol requires medical documentation of □ Post Menopausal Women - Protocol does not require medical documentation Note in approval letter required! 	
☐ includes WOCBP and Protocol describes BC ☐ includes WOCBP but Protocol does not describes BC: Note in ICF and	approval letter required!
Pregnancy Testing	
pregnancy testing for all female at least prior to dosing	
pregnancy testing for WOCBP only at least prior to dosing	
Note in approval letter required because protocol does not require m Sterilization status	edical documentation of PM status/Surg
Drug Alcohol Screening prior to dosing? At least prior to dosing: □ Drug screening □ alcohol screening □	reening
☐ No drug/alcohol screening Note in approval letter required!	
Committee Findings: Test In Not CUIN My W blc in prohad not named - MM reg of Home	product will be used who
Risk-Benefit Assessment What is the benefit of the research? New property of the research?	dud/me chenish
What is the nature of the risks/were risks minimized?	of trained stall
expensed & training of PI - Pr	es testing monitorin
approp study design	
Type of subject vulnerability/appropriate safeguards?	ee ste questonne
,	
Pediatrics being enrolled? □ No □ Yes* * If yes complete Section 3 of this for	m ,if no leave Section 3 blank
Blood Volume: w/in Blood Bank Standard documentation of volume	w/in protocol □ see notes
Overall conclusion regarding study merit: STATUS Approved Tabled	equires Additional Information
Committee Findings: approve - 1 1/V has	donbusks
a NANY of	
Signature /	

Attachet 4



MEMBERSHIP ROSTER

Page 1 of 2 approved 1/03/06

- The following lists the members identified by name; earned degrees; representative capacity; indications of experience such as board certifications, licenses, etc., sufficient to describe each member's chief anticipated contributions to IRB deliberations.
- No member of the Independent Investigational Review Board, Inc has employment or other relationship (for example, full-time employee, a member of governing panel or board, stockholder, paid or unpaid consultant) of Carroll-Loye Biological Research, EMD Chemicals, Inc., or otherwise involved with the research.

Chairman, Kim Lerner, B.S.

Ms. Lerner is co-founder of the Independent Investigational Review Board and has acted as Chairman for the past 16 years. She has transformed her experience as Director of the IRB at a large teaching hospital into directing a large and diverse independent IRB. Her experience serving as the Director of a Hospital Quality Assurance Program provides the foundation for implementation of the Independent IRB's continuous quality improvement and regulatory compliance programs

Vice Chairman, Anita Mc Sharry, RN (scientific)

Ms Mc Sharry is co-founder of the Independent Investigational Review Board and has acted as President for the past 16 years. She has extensive knowledge of principles of medical research, regulatory compliance and clinical safety. Previous experience included development of Research Study budgets, liaison between the Pharmaceutical Sponsor and the Principal Investigator at the University of Miami, Department of Clinical Pharmacology.

David D. Wells, MD (physician/scientific)

Dr. Wells graduated from the University of Havana, is English-Spanish bilingual and brings this international experience to the IRB. He has served as the Emergency Medicine Department Chairman at a local hospital, has health care Clinic experience working with financially disadvantaged patients and is presently volunteering as a Family Practice Physician serving migrant farm workers. This hands-on experience enables him to clearly assess overall research risks and benefits and understand vulnerable population issues.

Rabbi Akiva D. Mann, M.A. (non-scientific)

Rabbi Mann is presently the Spiritual Leader of the Hallandale Jewish Center and is the Director of the Institute of Jewish Knowledge and Learning. He has served on Mayorial Commissions addressing the issues of Medical Ethics and Geriatric Care, as well as having served on Hospital Ethics Committees.

Edward Wiederhorn (non-scientific)

Mr. Wiederhorn is the community representative to the IIRB and is a member of the American Association of Retired Persons (AARP). Mr. Wiederhorn has longstanding experience as a Civic Activist and has been a member of Fraternal and Charitable Organizations, at present he is actively involved in support of the City of Hope.



Attachment y pr

MEMBERSHIP ROSTER

Page 2 of 2 approved 1/03/06

Shari Somerstein, B.S., R. Ph. (scientific)

Ms. Somerstein has served as a member of the Independent IRB for more than 6 years and has extensive experience in the interpretation and assessment of clinical research findings and study design. She brings extensive clinical pharmacy experience in a Hospital setting and in the community. She has broad administrative experience in IRB activities including, protocol review, assessment of adverse drug experiences and informed consent form development.

George J. Garbarino (non-scientific)

Mr. Garbarino has been an advocate for Labor Union members and brings a wide range of experience in the area of worker's rights and contract negotiations. He is the Business Manager of the Tile, Marble and Stone Workers Local 121 and is associated with the School Board of Broward County.

Glenn K. Moran, DO, FACOFP (Alternate for: physican/scientific)

Dr. Moran is Board Certified in Family Practice and is presently in private practice. He maintains privileges at local hospitals and is active in the areas of Medical Quality Assurance and Peer Review and other community organizations. He is an Assistant Clinical Professor at Nova Southeastern College of Osteopathic Medicine and is familiar with current medical research requirements.

Marcos Rejtman, DO, (Alternate for: physican/scientific)

Dr. Rejtman is Board Certified in Family Practice, Geriatric Medicine and Hospice &Palliative Medicine and is presently the Medical and Team Director for VITAS Innovative Health Care (Hospice) and provides in hospital patient management for a multi-specialty group. He also has recent experience in Emergency Department Medicine. He maintains privileges at local hospitals and is active in the areas of Medical Quality Assurance and Peer Review and other community organizations. He is English-Spanish bilingual.

Maria L. Rodriguez, MS, CCRC, RHIT (Alternate for: non-scientific)

Ms Rodriguez brings to the Board extensive experience in the clinical research field and knowledge of regulatory requirements, policy and procedure development, and the implementation of the quality assurance function. Her educational background focuses on education and training in the clinical research field. She is English-Spanish bilingual.

Elsie P. Remy, MSN, ARNP-c (Alternate for: scientific)

Ms Remy has an extensive background in nursing as an educator and clinical nurse manager. Her experience includes acute and primary care. She is an Assistant Professor in the Nursing Department at Miami Dade Community College. Her responsibilities include curriculum development and she serves as an Academic Adviser and Adviser to student organizations.

Robert Lettman, Esq. (non-scientific)

Mr. Lettman is a practicing Attorney in South Florida with extensive experience in civil litigation and serves as a resource in the consideration of the legal aspects of the informed consent process. Having been in the community for 30 years he brings insights and knowledge of the needs of the community.

Attachment 5 - P.1



SITE QUESTIONNAIRE

NON-LOCAL REVIEW

Prot	tocol # & Complete Study Title <u>: (EMD-003)</u> Test of Personal Insect Repellents
Prin	cipal Investigator: Scott P. Carroll, Ph.D
Sub	Investigator(s): None
Pleas more Site	se indicate the location where study activities will be performed (where patients will be seen excluding Diagnostics) If than on location is being used you may attach additional pages. Address: Carroll-Loye Biological Research Pl's Mailing Address: 711 Oak Avenue (If different) Davis, CA 951616 USA (Site for lab tests of ticks)
If the	e study is being conducted at more than one location and information requested differs for each location, see provide separate information for each location.
	ulatory/Study Coordinator: <u>Scott Carroll</u> Phone: <u>530-297-6080</u> Fax Number: <u>530-297-6080</u>
Office	e Phone: <u>530-297-6080</u> 24 Hour Phone: <u>530-297-6080 or 530-902-8267</u>
Plea	se complete the following: You may attach copies of relevant procedures.
1.	Is this study federally funded requiring review under HSS standards? X No ☐ Yes
2.	How will Study Participants be recruited? ☐ Principal Investigator's Clinical Practice ☐ Referrals from other clinical Practices X Data base of potential Volunteers ☐ Advertising in the community* (*advertisements Must be approved by the IIRB) X Other (please specify): Word of mouth via Volunteers in data base
3.	Will you recruit volunteers from vulnerable study populations? X No
	If yes, describe procedures to be followed (if applicable): Our subjects are mainly University of California–Davis graduate and undergraduate students in life science programs with which the Principal Investigator is associated. Students in his laboratory who depend on him directly for employment or scholastically are not eligible to participate.
4.	Do the subjects that you intend to enroll in this study come from any type of ethnic background or cultural environment that might have an impact on their ability to understand that participation in the study is voluntary and refusal to participate or discontinuing their participation will not have any adverse impact on the care that they will receive? No

5. Indicate the approximate demographics of your site's anticipated subject population:

Revised: 1/10/06

	P-2
	Page 2 of 35% African American65% Caucasian15% Hispanics15% Asian<1% Other
	Will you be enrolling only subjects who speak English in this study? X Yes \square No If No, Is a "local dialect" or translation needed? Translation needed: \square Spanish \square Other
	Who will discuss the research study with the volunteer and obtain informed consent (signed informed consent)? (Check all that apply)
	X Principal Investigator □ Sub Investigator □ Study Coordinator Explain consenting procedures: We contact subjects who participated in previous Carroll-Loye repellent
	efficacy tests by selecting them from our Volunteer Database. At that time interested individuals often
	ask if one or more of their lab mates or acquaintances can participate as well. All such potential
	participants are screened or re-screened for suitability for each test in a private, one-on-one
	conversation held at the office of the Principal Investigator (PI). The Exclusion Criteria (section 9.1.2)
	are exercised by asking each candidate to address them in the interview with the PI. It is explained that
	pregnancy will be assessed directly in on the test day. The PI encourages candidates to ask questions
	and ask for clarification at any time during the interview and in all activities that follow. To candidates
	that pass screening the PI describes the test purpose in plain language (in English), and the
	procedures and comportment to be followed are described in detail. Candidates are then asked if they
	would like to retire from consideration at that point. If they wish to remain in consideration, it is
	explained and emphasized that they may withdraw from the test at any time during the test without
	penalty to their compensation. Candidates are given copies of the State of California Department of
	Pesticide Regulation 'Experimental Subjects' Bill of Rights' to read as the PI reads it aloud. They are
	also given a copy of the IRB-approved consent form to read as the PI reads it aloud. The amount and
	orm of compensation is described. They are again encouraged to ask any questions they have about
	he test, which may include understanding its purpose more fully, understanding risks and discomforts
	nore fully, and understanding treatment and compensation for injury more fully. While the majority of
	ur subjects have worked with us on an occasional basis for a number of years, we encourage them to
	personally evaluate their interests and concerns about participation seriously each time. We ask them
	not to sign on immediately but to give the situation due consideration (normally at least one day,
	ometimes less for those who have participated in multiple prior studies). Because most of the
	olunteers are researchers and/or have advanced degrees in life sciences, we regard their motivations
	nd decisions to participate as being unusually well considered and well informed. Accordingly, we
	ormally accept their decisions to participate if they so choose following due consideration.
	lonetheless, the PI retains the final right to refuse participation to any candidate.
r	describe the setting(s) where the study will be conducted (ie, private office, clinic, hospital environment) and if the Investigator is required to seek any type of administrative or Corporate approval in order to applement the study: rivate Laboratory owned by Principal Investigator.
ا' ا_	f being done in a Hospital or Outpatient Surgery Center, please provide a copy of that facility's cense/accreditation and/or Hospital IRB Waiver Form.

Distance between the nearest hospital and research site: 1.8 road miles

8.

9.

Revised: 1/10/06

ì0.	Describe the on-site emergency equipment available for the subjects: First aid kit, skin washing soap and mild dermal detergent, eye wash.
11.	How long has the PI been conducting clinical research? 16 years 6 months
12.	Within the past 3 years has the FDA/OHRP audited your site/Principal Investigator? X No $\ \square$ Yes*
13.	Has the FDA/OHRP or any State Medical Board ever sanctioned the Principal Investigator? XNo □Yes* *If yes, please provide a summary of the action and applicable correspondence.
14.	Are subject files adequately stored and protected to ensure subject confidentiality, i.e. HIPAA, HIV, etc.? No* X Yes *If no, please explain:
15.	Does the Principal Investigator, Sub Investigator(s) or any immediate family member have a conflict of interest with the study sponsor, sponsor representatives or other study related entities? X No \(\text{Yes} \)* If yes, please provide explanation:
<i>Site</i> Is the	s, please specify the total amount, the amount for each visit and the timing of payment (i.e. at each visit, at the last vithin 2 weeks of the last visit) in the draft Informed Consent Form. Specific Informed Consent Form Information re any additional wording needed in the Informed Consent Form? X No Yes* The please specify the section and additional wording below.
	Investigator Acknowledgment
are tru he re additic are fai explair urthe	half of all of the investigators listed on page1, I agree that the responses provided on the Site Questionnaire and accurate and I agree to notify the Independent Investigational Review Board, Inc. of any changes in search activities and to report any unanticipated problems involving risk to the research subjects. In on, I agree not to make any changes in the research without IRB approval. I confirm that study personne miliar with the study and that either an Investigator or a study coordinator acting as my designee will orally in the Informed Consent Form to all prospective subjects before obtaining their signed informed consent formore, by signing this form I confirm that I agree to conduct the study in accordance with the requirements protocol, for which I am seeking approval.
	. Carroll ame of individual completing Site Questionnaire
Signati	Tank 4-13-06 ure of individual completing Site Questionnaire Date
-	Date